Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002617.D
Acq On : 01 Sep 2015 08:10
Operator : UM/IZ
Sample : G3457-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9EB7

Manual Integrations APPROVED
MMDadoda
9/1/2015 2:56:42 PM

Quant Time: Sep 01 11:02:45 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 01 07:11:38 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	120608	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	574399	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	327239	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	537009	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	439083	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	451304	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	528631	15.80	ng/ul	0.00
10) Fluorene-d10	16.34	176	333439	14.19	ng/ul	0.00
14) Anthracene-d10	18.17	188	387674	14.97	ng/ul	0.00
18) Pyrene-d10	20.40	212	316096	16.24	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	244057	10.29	ng/ul	0.00
Target Compounds						Qvalue
13) Phenanthrene	18.12	178	123760	3.99	ng/ul	99
16) Fluoranthene	20.07	202	216044	6.15	ng/ul	97
19) Pyrene	20.43	202	172824	6.72	ng/ul	98
20) Benzo(a)anthracene	22.14	228	89207	3.40	ng/ul	97
21) Chrysene	22.20	228	95986	3.91	ng/ul	97
23) Benzo(b)fluoranthene	23.97	252	129587	4.75	ng/ul	97
24) Benzo(k)fluoranthene	24.01	252	36483m	1.41	ng/ul	
26) Benzo(a)pyrene	24.67	252	104851	4.02	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.55	276	93596	3.12	ng/ul	93
29) Benzo(g,h,i)perylene	28.40	276	94908	3.80	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

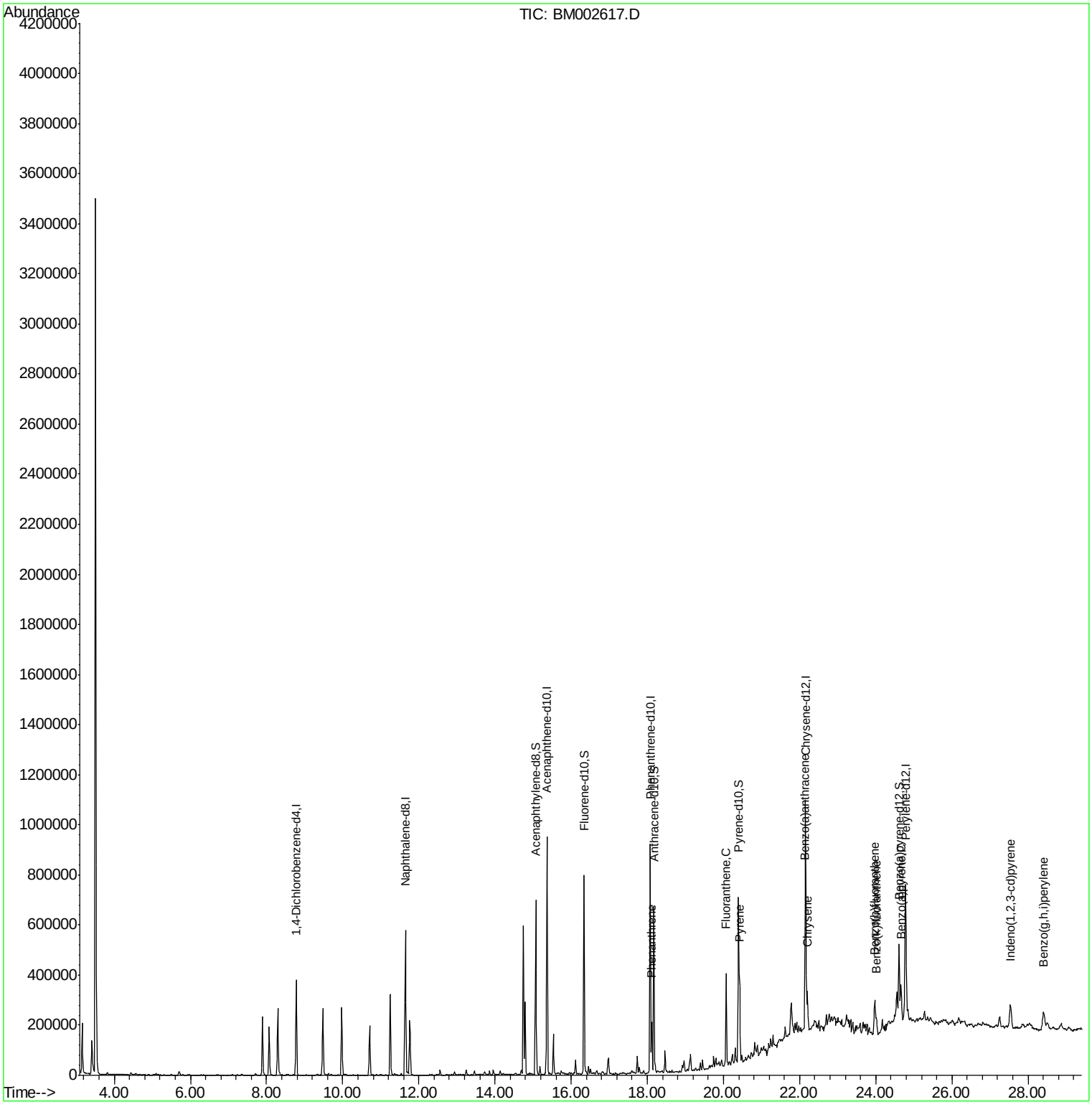
Quantitation Report (QT Reviewed)

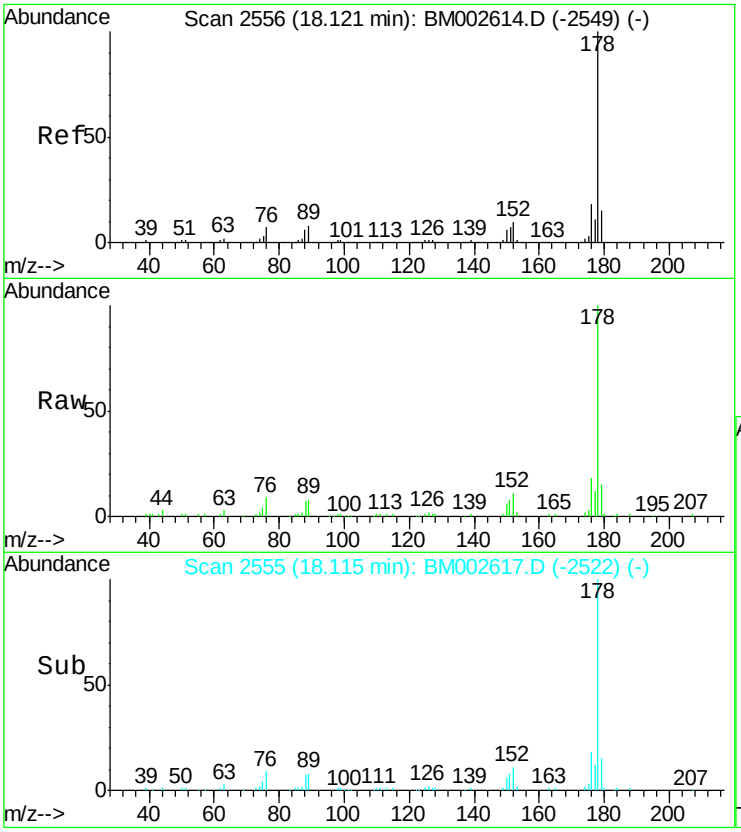
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002617.D
Acq On : 01 Sep 2015 08:10
Operator : UM/IZ
Sample : G3457-13
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 01 11:02:45 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 01 07:11:38 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9EB7

Manual Integrations APPROVED
MMDadoda
9/1/2015 2:56:42 PM

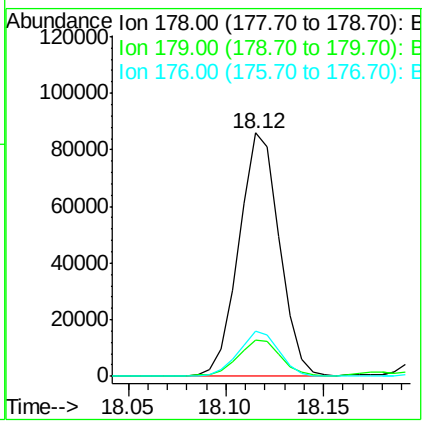




#13
Phenanthrene
Concen: 3.99 ng/ul
RT: 18.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

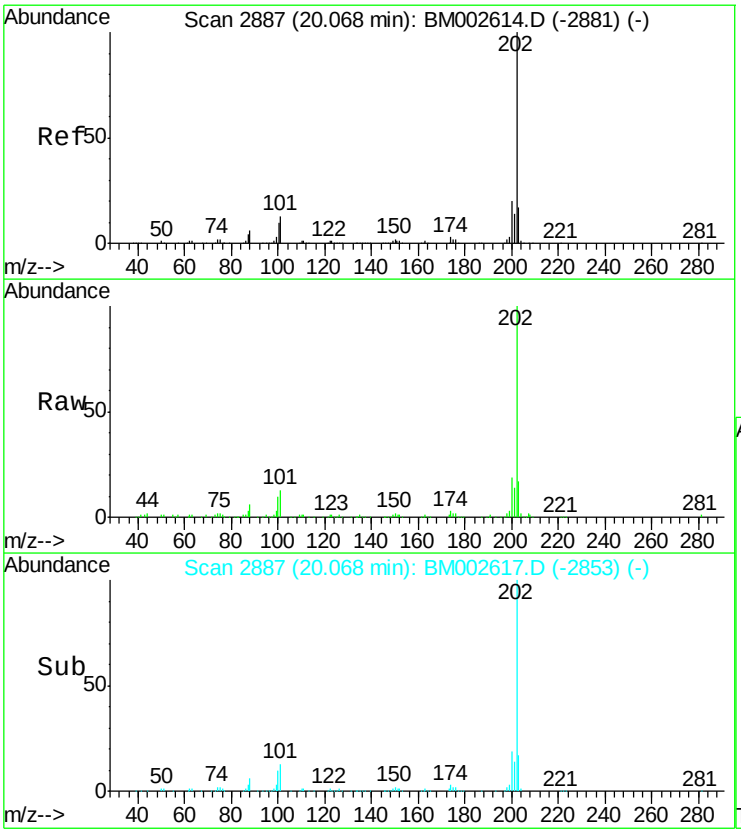
Tgt Ion:178 Resp: 123760

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.4	18.6
176	18.5	15.1	22.7



Instrument :
BNA_M
ClientSampleId :
D9EB7

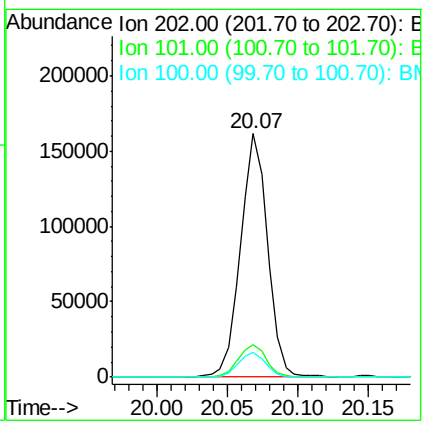
Manual Integrations APPROVED
MMDadoda
9/1/2015 2:56:42 PM

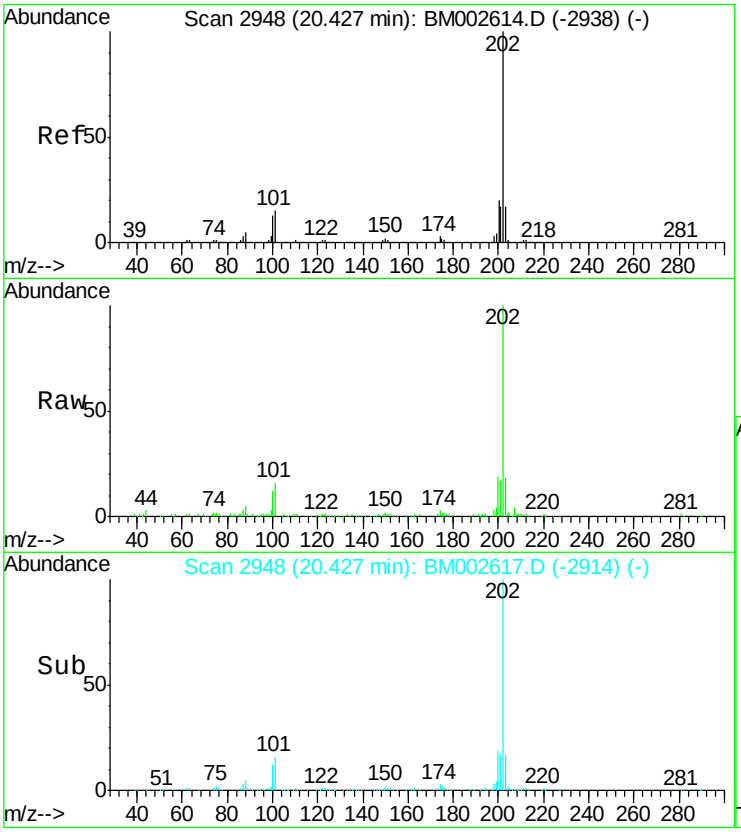


#16
Fluoranthene
Concen: 6.15 ng/ul
RT: 20.07 min Scan# 2887
Delta R.T. 0.00 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

Tgt Ion:202 Resp: 216044

Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.7	14.5
100	10.0	7.4	11.2

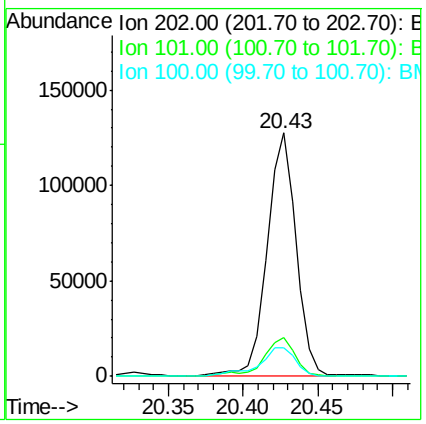




#19
Pyrene
Concen: 6.72 ng/ul
RT: 20.43 min Scan# 2948
Delta R.T. 0.00 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

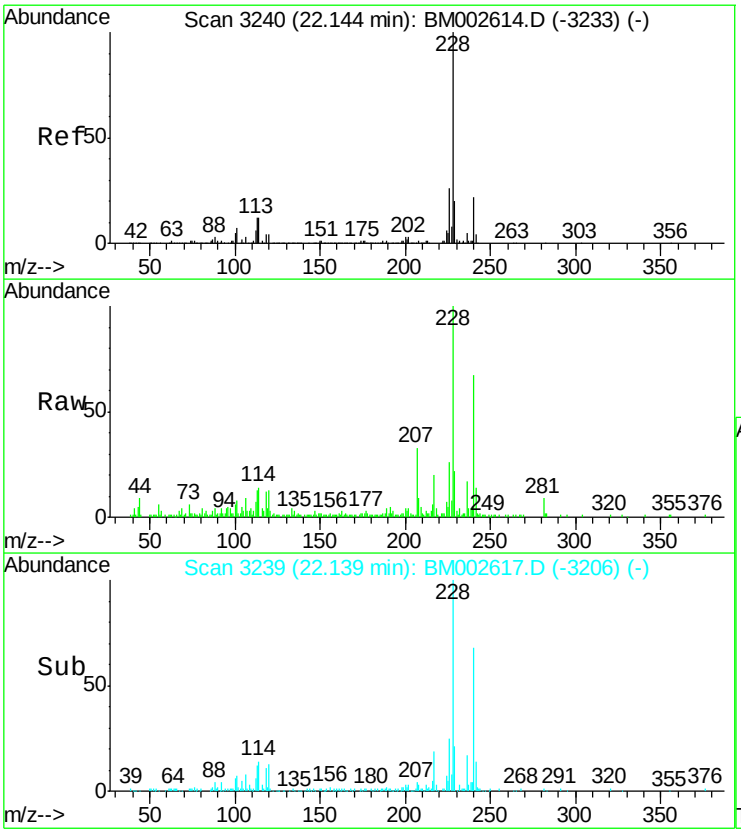
Tgt Ion:202 Resp: 172824

Ion	Ratio	Lower	Upper
202	100		
101	16.2	12.0	18.0
100	11.8	9.7	14.5



Instrument :
BNA_M
ClientSampleId :
D9EB7

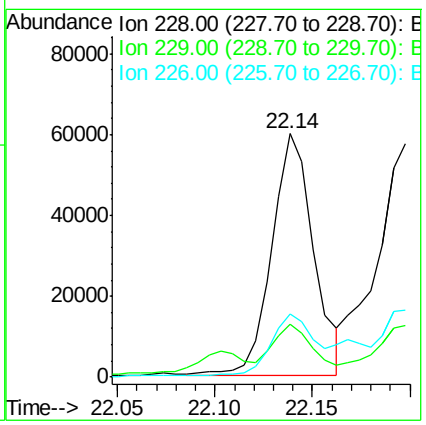
Manual Integrations APPROVED
MMDadoda
9/1/2015 2:56:42 PM

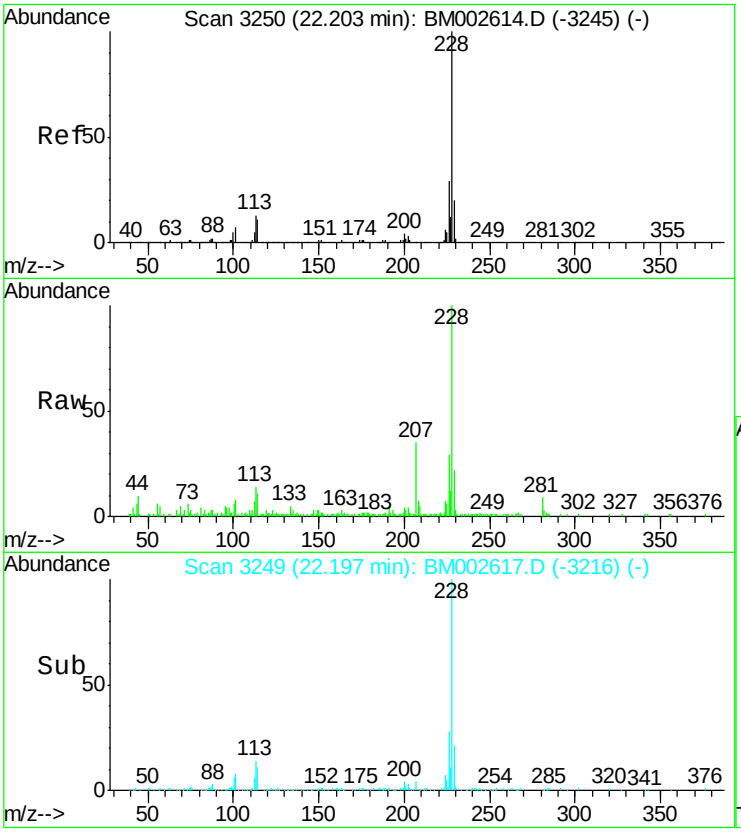


#20
Benzo(a)anthracene
Concen: 3.40 ng/ul
RT: 22.14 min Scan# 3239
Delta R.T. -0.01 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

Tgt Ion:228 Resp: 89207

Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.8	23.6
226	25.7	21.1	31.7

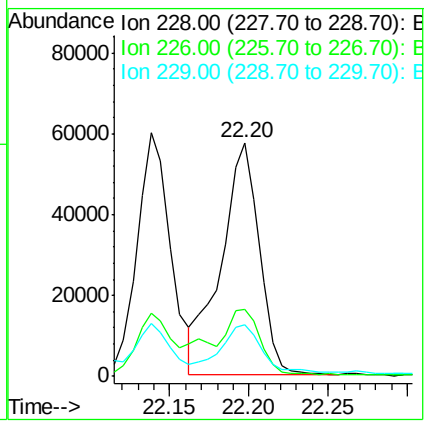




#21
Chrysene
Concen: 3.91 ng/ul
RT: 22.20 min Scan# 3249
Delta R.T. -0.01 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

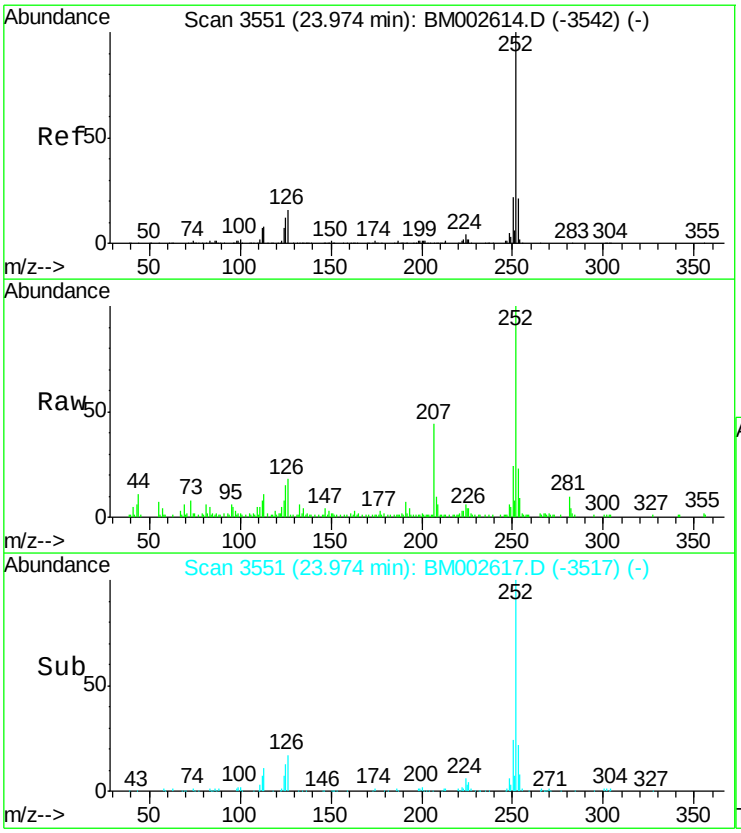
Tgt Ion:228 Resp: 95986

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	22.4	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
D9EB7

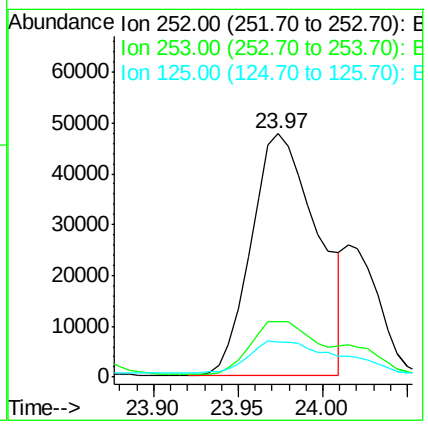
Manual Integrations APPROVED
MMDadoda
9/1/2015 2:56:42 PM

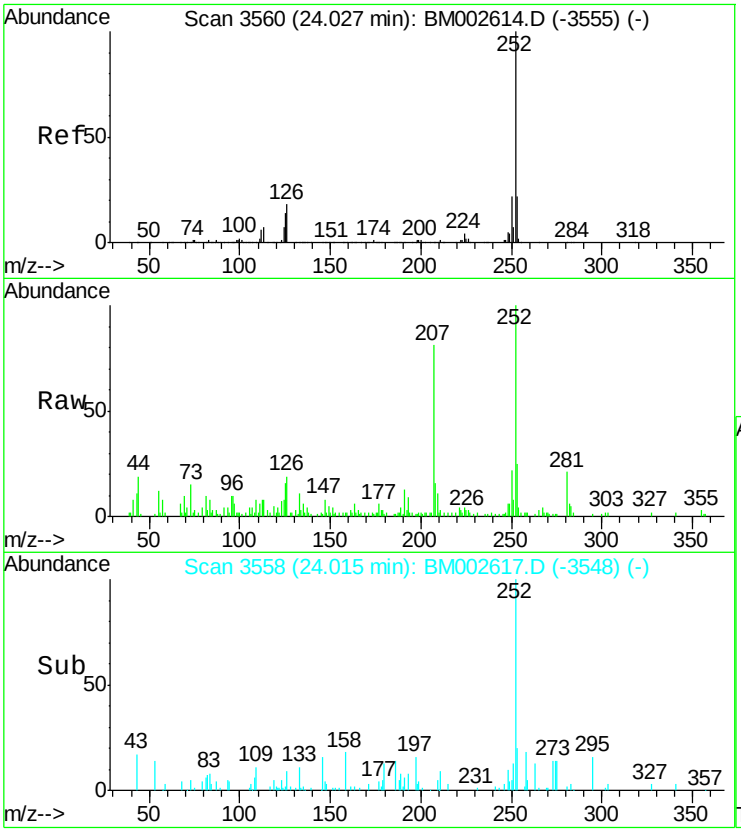


#23
Benzo(b)fluoranthene
Concen: 4.75 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. 0.00 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

Tgt Ion:252 Resp: 129587

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	14.5	10.0	15.0

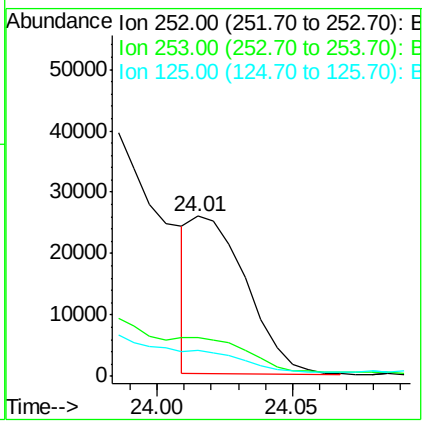




#24
Benzo(k)fluoranthene
Concen: 1.41 ng/ul m
RT: 24.01 min Scan# 3558
Delta R.T. -0.01 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

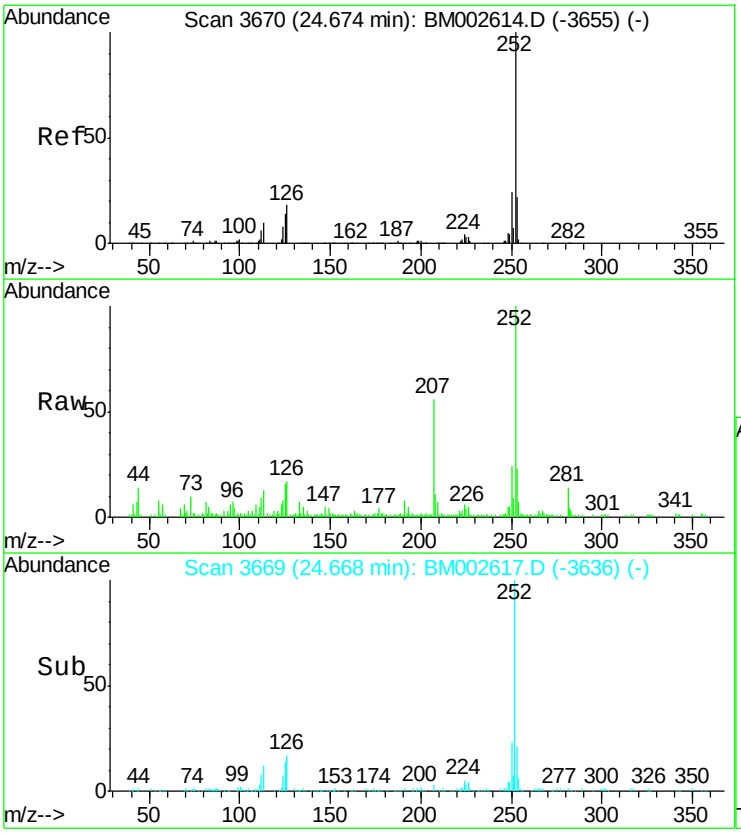
Tgt Ion:252 Resp: 36483

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	16.0	9.8	14.8#



Instrument :
BNA_M
ClientSampleId :
D9EB7

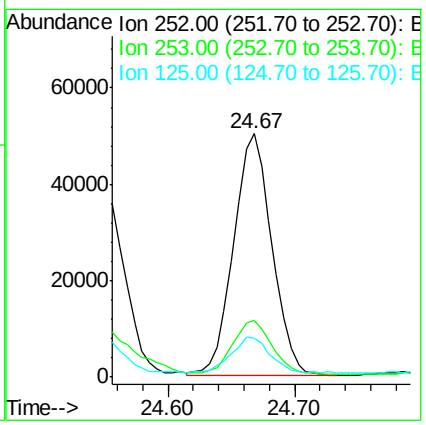
Manual Integrations APPROVED
MMDadoda
9/1/2015 2:56:42 PM

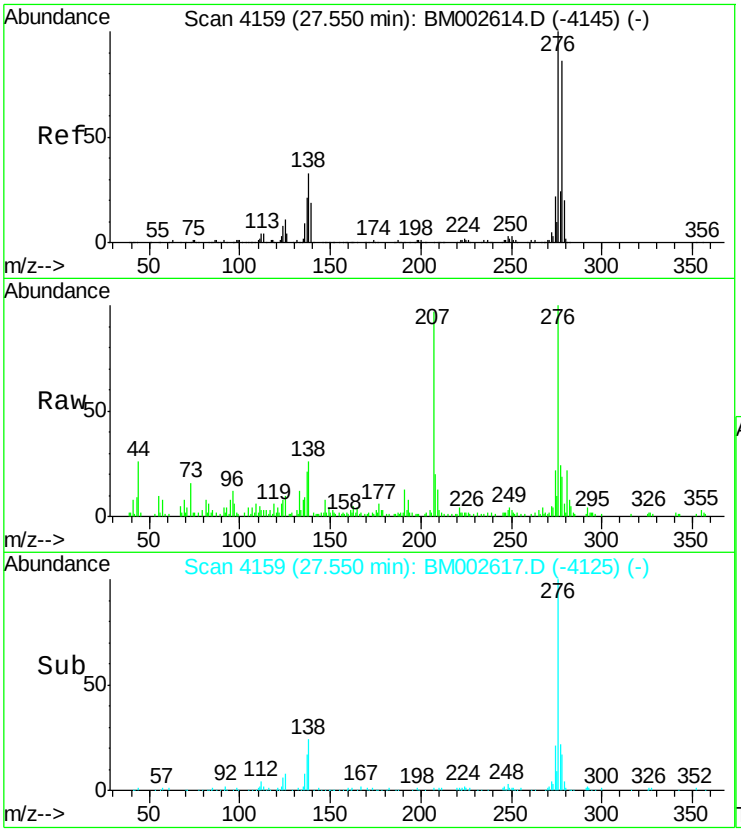


#26
Benzo(a)pyrene
Concen: 4.02 ng/ul
RT: 24.67 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

Tgt Ion:252 Resp: 104851

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	15.7	10.7	16.1

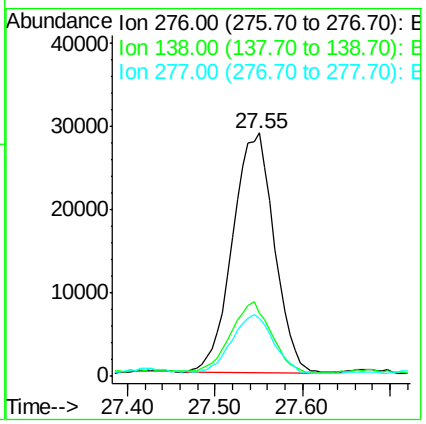




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.12 ng/ul
RT: 27.55 min Scan# 4159
Delta R.T. 0.00 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

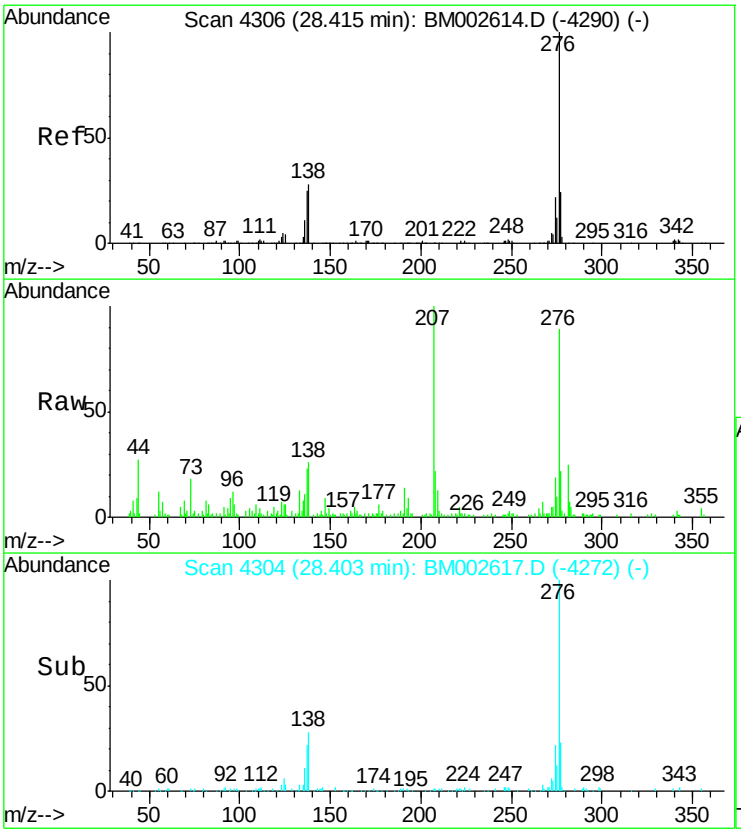
Tgt Ion:276 Resp: 93596

Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.3	37.9
277	24.0	20.2	30.2



Instrument :
BNA_M
ClientSampleId :
D9EB7

Manual Integrations APPROVED
MMDadoda
9/1/2015 2:56:42 PM



#29
Benzo(g,h,i)perylene
Concen: 3.80 ng/ul
RT: 28.40 min Scan# 4304
Delta R.T. -0.01 min
Lab File: BM002617.D
Acq: 01 Sep 2015 08:10

Tgt Ion:276 Resp: 94908

Ion	Ratio	Lower	Upper
276	100		
138	29.4	21.0	31.6
277	24.3	19.2	28.8